



PHILADELPHIA ELECTRIC COMPANY

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SHIELDS L. DALTROFF  
VICE PRESIDENT  
ELECTRIC PRODUCTION

July 24, 1981

Re: Docket Nos. 50-277  
50-278

Mr. John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Stolz:

Your letter of June 24, 1981, requested additional information with regard to our May 22, 1981, letter on IE Bulletin 80-06, Engineered Safety Feature Reset Controls for Peach Bottom Atomic Power Station Units 2 and 3. Specifically, we were asked to "provide a description of the modifications made to the circuitry of the Traversing In-Core Probe (TIP) nitrogen purge valves and the TIP ball valves."

The controls for the TIP purge isolation valve and the five TIP ball valves have been modified by replacing the existing, two-position, maintained-contact control switches with three-position, spring return-to-auto control switches. The control logic has been modified so that the operator must place the control switches in the "open" position before the valves will reopen following the reset of a primary containment isolation signal.

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PDR ADONCK 00000277  
Q PDR

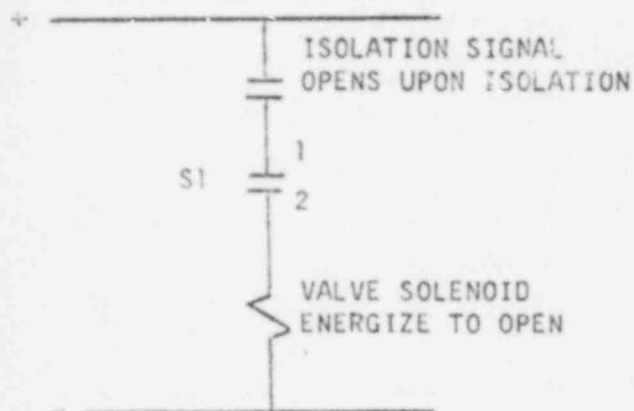
Attached is a drawing showing the circuit and contact development for a two position switch versus a three position spring return to center switch.

If there are any further questions, please contact us.

Very truly yours,

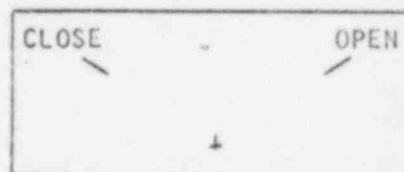
A handwritten signature in cursive script, appearing to read "A. H. Faltus". The signature is written in dark ink and is positioned to the right of the typed name "Very truly yours,".

# TWO POSITION MAINTAINED CONTACT SWITCH CIRCUIT

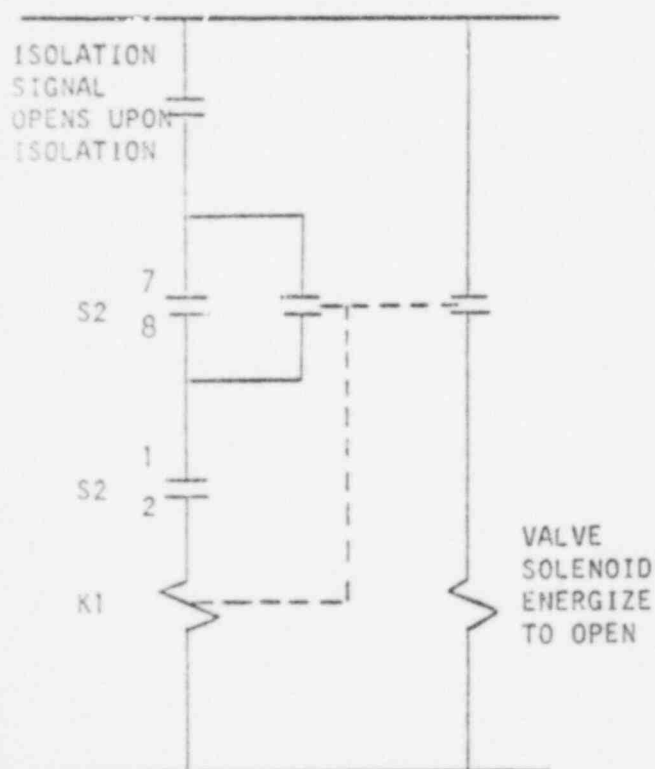


## TWO POSITION MAINTAINED CONTACT SWITCH S1 CONTACT DEVELOPMENT

CONT	"CLOSE"	"OPEN"
1-2		X

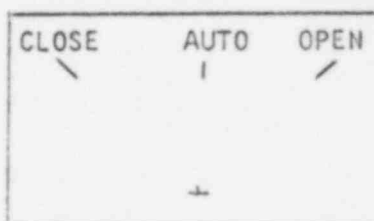


# THREE POSITION SPRING RETURN TO AUTO SWITCH CIRCUIT



## THREE POSITION SPRING RETURN TO AUTO SWITCH S2 CONTACT DEVELOPMENT

CONT	CLOSE	AUTO	OPEN
1-2		X	X
3-4	X		
5-6	X	X	
7-8			X



# TRAVERSING IN-CORE PROBE SYSTEM

7/22/81